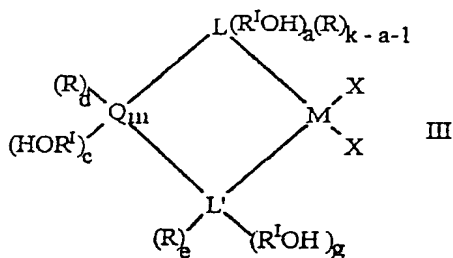
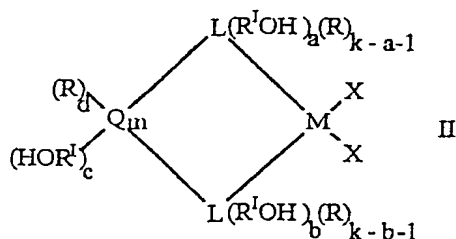
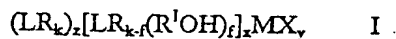


## ABSTRACT

Heterogeneous catalytic component obtainable by reacting a porous inorganic support with a metallocene compound characterized in that the metallocene compound is defined by the following general formulas:



wherein:

L, equal to or different from each other, is selected from the group comprising: cyclopentadienyl, indenyl, tetrahydroindenyl, fluorenyl, octahydrofluorenyl or benzoindenyl; each R is independently selected from hydrogen, C<sub>1</sub>-C<sub>20</sub> alkyl, C<sub>3</sub>-C<sub>20</sub> cycloalkyl, C<sub>6</sub>-C<sub>20</sub> aryl, C<sub>3</sub>-C<sub>20</sub> alkenyl, C<sub>7</sub>-C<sub>20</sub> arylalkyl, C<sub>7</sub>-C<sub>20</sub> alkylaryl, C<sub>8</sub>-C<sub>20</sub> arylalkenyl, linear or branched, optionally substituted by 1 to 10 halogen atoms, or a group SiR<sup>II</sup><sub>3</sub>; each R<sup>I</sup> equal to or different from each other is a divalent aliphatic or aromatic hydrocarbon group containing from 1 to 20 carbon atoms, optionally containing from 1 to 5 heteroatoms of groups 14 to 16 of the periodic table of the elements and boron; each Q is independently selected from B, C, Si, Ge, Sn; M is a metal of group 3, 4 or 10 of the Periodic Table, Lanthanide or Actinide; each X is independently selected from: hydrogen, chlorine, bromine, OR<sup>II</sup>, NR<sup>II</sup><sub>2</sub>, C<sub>1</sub>-C<sub>20</sub> alkyl or C<sub>6</sub>-C<sub>20</sub> aryl; each R<sup>II</sup> is independently selected from C<sub>1</sub>-C<sub>20</sub> alkyl, C<sub>3</sub>-C<sub>20</sub> cycloalkyl, C<sub>6</sub>-C<sub>20</sub> aryl, C<sub>3</sub>-C<sub>20</sub> alkenyl, C<sub>7</sub>-C<sub>20</sub> arylalkyl, C<sub>7</sub>-C<sub>20</sub> arylalkenyl or alkylaryl, linear or branched; R<sup>II</sup> is methyl, ethyl, isopropyl; L' is N or O; when L is cyclopentadienyl k is equal to 5, when L is indenyl k is equal to 7, when L is fluorenyl or benzoindenyl k is equal to 9, when L is tetrahydroindenyl k is equal to 11 and when L is

octahydrofluorenyl,  $k$  is equal to 17;  $z$  is equal to 0, 1 or 2;  $x$  is equal to 1, 2 or 3;  $y$  is equal to 1, 2 or 3;  $x + y + z$  is equal to the valence of  $M$ ;  $m$  is an integer which can assume the values 1, 2, 3 or 4;  $a$  and  $b$  are integers whose value ranges from 0 to  $k-1$ ;  $f$  is an integer whose value ranges from 1 to  $k$ ;  $g$  is 0 or 1;  $c$  and  $e$  are equal to 0 or 1;  $a + b + c$  is at least 1;  $a + g + c$  is at least 1;  $d$  is equal to 0, 1 or 2; when  $Q$  is B, then  $c + d = 1$ ; when  $Q$  is C, Si, Ge or Sn, then  $c + d = 2$ ; when  $L'$  is N, then  $g + e = 1$ ; when  $L'$  is O, then  $g = 0$  and  $e = 0$ .

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